

10/840,189

* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 17:02:17 ON 13 JUL 2006

=> file reg
COST IN U.S. DOLLARS
FULL ESTIMATED COST

| | SINCE FILE ENTRY | TOTAL SESSION |
|---------------------|------------------|---------------|
| FULL ESTIMATED COST | 0.21 | 0.21 |

FILE 'REGISTRY' ENTERED AT 17:02:27 ON 13 JUL 2006
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STRUCTURE FILE UPDATES: 12 JUL 2006 HIGHEST RN 892389-74-1
DICTIONARY FILE UPDATES: 12 JUL 2006 HIGHEST RN 892389-74-1

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TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

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REGISTRY includes numerically searchable data for experimental and
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on property searching in REGISTRY, refer to:

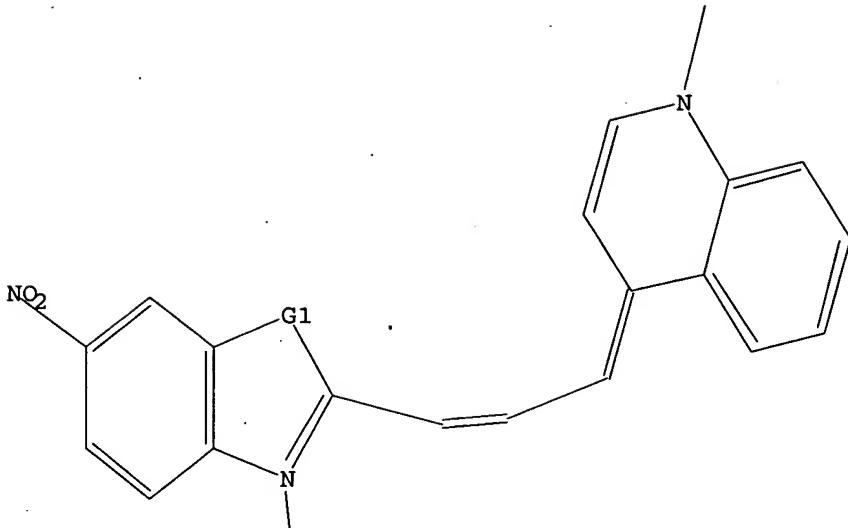
<http://www.cas.org/ONLINE/UG/regprops.html>

*** YOU HAVE NEW MAIL ***

=>
Uploading C:\Program Files\Stnexp\Queries\10840189.str

L1 STRUCTURE uploaded

=> d 11
L1 HAS NO ANSWERS
L1 STR



G1 O,S,Se

Structure attributes must be viewed using STN Express query preparation.

```
=> s l1 full
FULL SEARCH INITIATED 17:02:58 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 26 TO ITERATE
```

| | | |
|-----------------------|---------------|-----------|
| 100.0% PROCESSED | 26 ITERATIONS | 2 ANSWERS |
| SEARCH TIME: 00.00.01 | | |

L2 2 SEA SSS FUL L1

| | | |
|----------------------|------------|---------|
| => file caplus | SINCE FILE | TOTAL |
| COST IN U.S. DOLLARS | ENTRY | SESSION |
| FULL ESTIMATED COST | 166.94 | 167.15 |

FILE 'CAPLUS' ENTERED AT 17:03:03 ON 13 JUL 2006
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FILE COVERS 1907 - 13 Jul 2006 VOL 145 ISS 3
 FILE LAST UPDATED: 12 Jul 2006 (20060712/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
 They are available for your review at:

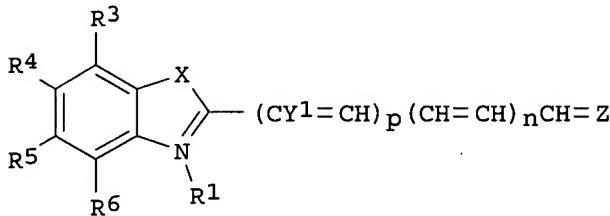
<http://www.cas.org/infopolicy.html>

```
=> s 12
L3           1 L2

=> d 13 bib abs  hitstr
```

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2002:136073 CAPLUS
DN 136:196564
TI Non-fluorescent asymmetric cyanine dye compounds useful for quenching reporter dyes
IN Lee, Linda G.; Graham, Ronald J.; Mullah, Khairuzzaman B.; Haxo, Francis T.
PA PE Corporation (NY), USA
SO U.S., 62 pp., Cont.-in-part of U.S. 6,080,868.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-------------------|------|----------|-----------------|----------|
| PI | US 6348596 | B1 | 20020219 | US 1999-357740 | 19990720 |
| | US 6080868 | A | 20000627 | US 1998-12525 | 19980123 |
| | US 6541618 | B1 | 20030401 | US 2000-602544 | 20000621 |
| | US 2003207305 | A1 | 20031106 | US 2003-404404 | 20030331 |
| | US 6750024 | B2 | 20040615 | | |
| | JP 2004323839 | A2 | 20041118 | JP 2004-114829 | 20040408 |
| | US 2005009058 | A1 | 20050113 | US 2004-840189 | 20040505 |
| PRAI | US 1998-12525 | A2 | 19980123 | | |
| | JP 2000-528627 | A3 | 19990119 | | |
| | US 2000-602544 | A3 | 20000621 | | |
| | US 2003-404404 | A3 | 20030331 | | |
| OS | MARPAT 136:196564 | | | | |
| GI | | | | | |



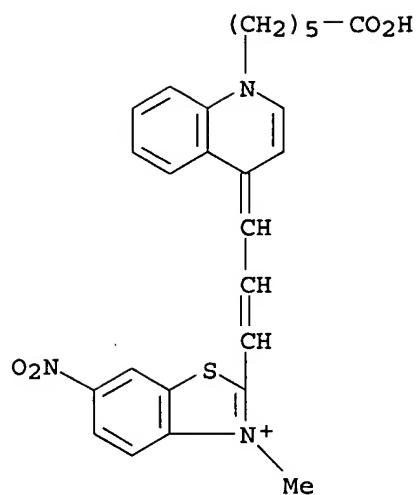
AB The invention provides asym. cyanine dye compds. I, including substituted forms thereof, which are non-fluorescent quencher mols. The invention further provides reporter-quencher dye pairs, wherein the asym. cyanine dyes are the quenchers, polynucleotides incorporating the asym. cyanine dyes, and nucleic acid hybridization detection methods utilizing the dye-labeled polynucleotides. Nitrothiazole blue XXXIV was prepared from 2-methylbenzothiazole and used as a quencher dye paired with FAM or TET reporter dyes in Taqman assays.

IT 400090-45-1D, salts or protected compds.

RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(as nonfluorescent asym. cyanine dye; non-fluorescent asym. cyanine dye compds. useful for quenching reporter dyes)

RN 400090-45-1 CAPLUS

CN Benzothiazolium, 2-[3-[1-(5-carboxypentyl)-4(1H)-quinolinylidene]-1-propenyl]-3-methyl-6-nitro- (9CI) (CA INDEX NAME)



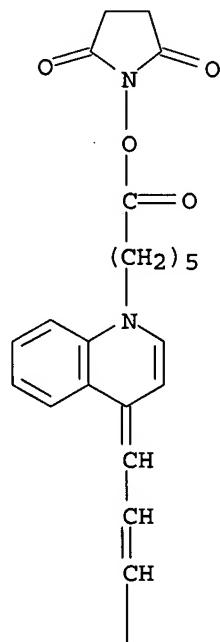
IT 400090-56-4P

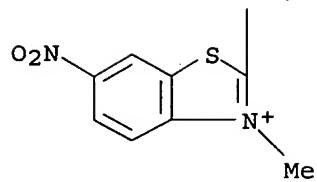
RL: SPN (Synthetic preparation); PREP (Preparation)
(non-fluorescent asym. cyanine dye compds. useful for quenching
reporter dyes)

RN 400090-56-4 CAPLUS

CN Benzothiazolium, 2-[3-[1-[6-[(2,5-dioxo-1-pyrrolidinyl)oxy]-6-oxohexyl]-
4(1H)-quinolinylidene]-1-propenyl]-3-methyl-6-nitro- (9CI) (CA INDEX
NAME)

PAGE 1-A





RE.CNT 84 THERE ARE 84 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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